A Fly's Eye Telescope to Mars.

The Remarkable Instrument Which Will Bring the Planet Into Plain Sight, with 91 Separate Lenses, Each Helping to Annihilate Space Through Millions of Miles of Sky

be out up and all of its fractions used for the new telescope and other ubservatory will be built on the highest cross of the Sierra Madre—6,000 feet above the level of the sen, which is every one qualified to judge knows that it is easy to make a small glass and also of the Boyal Academy of Great above the level of the sen, which is and also of the Royal Academy of Great tory, on Monut Hamilton. The climate of many small glasses, each one of

of many small glasses, each one perfect in itself, one can rely ture is relatively constant, and the air and first trial. absolutely on securing a per-It is this combination of these two long sought for qualities in the of these two long sought Gathmann telescope

which leads the sel- Engineer Voss, of the shipbuilding firm contemplated removal of water friction continuous the same voss, of the sulpointing arm of Blohm & Voss, in Hamburg, Germany, but the new instru
the new instru
but the new instru
contemplated removal of water friction, which, according to Herr Voss, will likewise be accomplished by the novel distribution of screws.

The four forward screws, two on each

reason in teleof scople scl.

gence, says

for well dinner. An ocean trip of sixteen the ship, while the other throws the water off or drives it nway. The two screws Mr. Gath- of one hundred and ninety miles per hour, under the centre of the vessel and the man, "why The other day Herr Voss submitted a four screws aft at the same time pull and we should not the projected steamer, together push forward with irresistible force.

The inventor further claims that his ten the in- with plans and description, to a meeting screw boat will go just as fast in heavy 5 habit- of the Hamburg Society of Seamen and as it will in calm weather. He is there on n t s Shipowners.

The inventor bases his calculations on a multiplicity of screws. The greatest number of screws now employed in ship building is three. Voss means to use ten screws, and whereas the existing three-screws the existing three-screws that the cruiser Columbia and the German man-of-war Kaiserin Augusta, carry their propellers aft, set in the form of a triangle with the middle screw a little lower than the others, the Hamburg inventor proposes to furnish both sides of his ship with five gerews each, distributed at regular intervals from bow to stern. By this means vals from bow to stern. By this means was afraid that a ship so constructed would he hopes to give the ship the greatest possible amount of stability and to prevent would be little room left for anything or that the screws will remain steadily in the matter worthy of the attention of ship

Another important feature of the construction of the ten-screw steamer is the Voss's calculations were about correct

To Europe in Sixteen Hours!

The four forward screws, two on each ampton to New York in sixteen hours, just side, counting from the bow, are to thrust There is no time enough for a man to recover from his the vessel forward by the following meth-

fore confident that the journey from South-

Shipowners.

The inventor bases his calculations on a mapton to New York can be made in sixteen hours during all seasons of the year.

her from rolling. His plan presupposes anybody else. However, he thought the water and be enabled to do their work builders and said his line would watch the



Y ERKES 40 INCHES DIAMETER

THE GATHMANN

LENS 72 INCHES